

GENESIS CROP OIL CONCENTRATE PLUS SAFETY DATA SHEET

GENESIS AGRI-PRODUCTS
2522 OLD TOWN ROAD
UNION GAP, WASHINGTON 98903
Emergency Phone # (509) 452-0302

1. IDENTIFICATION

PRODUCT IDENTIFIER: CROP OIL CONCENTRATE PLUS **CHEMICAL FAMILY:** Not Applicable
SYNONYMS: Anionic Polyacrylamide Solution **GENERIC DESCRIPTION:** Not Applicable
RECOMMENDED USE: Ag Product – Adjuvant **RESTRICTIONS ON USE:** None known
MOLECULAR WEIGHT: Not Applicable
CHEMICAL FORMULA: Not Applicable

MANUFACTURER INFORMATION

COMPANY NAME: GENESIS AGRI-PRODUCTS
ADDRESS: 2522 OLD TOWN ROAD
UNION GAP, WA 98903
TELEPHONE: (509) 575-8382
EMERGENCY PHONE:
US: 1-800-424-9300 (CHEMTREC)
INTERNATIONAL: 1-202-483-7616

2. HAZARDS IDENTIFICATION

OSHA REGULATED COMPONENTS: None Known

HEALTH HAZARDS: Serious eye damage/eye irritation.

LABEL ELEMENTS:



SIGNAL WORD: WARNING

HAZARD STATEMENT: Causes eye irritation.

PRECAUTIONARY STATEMENTS

- PREVENTION** - Wear eye protection. Wash thoroughly after handling.
- RESPONSE** - If in eyes: Flush immediately with water for 15 minutes. Remove contact lenses, if present and easy to do. If on skin: Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation develops.
- STORAGE** - Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring.
- DISPOSAL** - Do not contaminate water, food, or feed by storage or disposal. Dispose of container in a safe manner in accordance with federal, state, local and tribal regulations.

3. COMPOSITION/INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>% WEIGHT</u>	<u>TLV-TWA mg/m³</u>
Proprietary Blend of Surfactants and Base Oil	Proprietary	100	Not applicable.

4. FIRST-AID MEASURE

SYMPTOMS AND EFFECTS OF EXPOSURE & INSTRUCTIONS FOR SPECIAL MEDICAL TREATMENT

EYE CONTACT:	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Obtain medical attention if irritation persists.
SKIN CONTACT:	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
INHALATION:	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
INGESTION(SWALLOWING):	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Most important symptoms/effects, acute and delayed	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.
Indication of immediate	Provide general supportive measures and treat symptomatically. Keep

**medical attention
and special treatment
needed**

victim under observation. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:

None to boiling

OSHA Flammability Class:

Not applicable

LEL/UEL:

No data

UNUSUAL FIRE & EXPLOSION HAZARDS:

Closed containers exposed to extreme heat can rupture due to pressure buildup.

EXTINGUISHING MEDIA:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIFIC HAZARDS ARISING FROM THE
CHEMICAL:**

During fire, gases hazardous to health may be formed.

**SPECIAL PROTECTIVE EQUIPMENT AND
PRECAUTIONS FOR FIREFIGHTERS:**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:

Move containers from fire area if you can do so without risk

SPECIFIC METHODS:

Use standard firefighting procedures and consider the hazards of other involved materials.

GENERAL FIRE HAZARDS:

No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR RELEASES

**PERSONAL PRECAUTIONS,
PROTECTIVE EQUIPMENT AND
EMERGENCY PROCEDURES:**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing

appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Never return spills to original containers for re-use.

ENVIRONMENTAL PRECAUTIONS:

Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage. Avoid prolonged exposure.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

BIOLOGICAL LIMIT VALUES:

No biological exposure limits noted for the ingredient(s).

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear safety glasses with side shields (or goggles).

SKIN PROTECTION:

Hand protection: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other: Wear suitable protective clothing.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

GENERAL HYGIENE Always observe good personal hygiene measures, such as washing

CONSIDERATIONS: after handling the material and before eating, drinking, and/or smoking.
Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

PHYSICAL STATE:	Liquid.
COLOR:	Amber.
ODOR:	Oily.
ODOR THRESHOLD:	Not available.
pH:	4-7
MELTING POINT/FREEZING POINT:	Not available.
INITIAL BOILING POINT/BOILING RANGE:	Not available.
FLASH POINT:	>93°C (200°F) SETA CLOSED UP
EVAPORATION RATE:	(Ether=1): Not Applicable
FLAMMABILITY (SOLID,GAS):	Not available.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	
FLAMMIBILITY LIMIT-LOWER (%)	Not available.
FLAMMIBILITY LIMIT-UPPER (%)	Not available.
EXPLOSIVE LIMIT-LOWER (%)	Not available.
EXPLOSIVE LIMIT-UPPER (%)	Not available.
VAPOR PRESSURE:	Not available.
VAPOR DENSITY:	Not available.
RELATIVE DENSITY:	Not available.
SOLUBILITY(IES):	
SOLUBILITY IN WATER:	Easily soluble in cold water, hot water.
PARTITION COEFFICIENT (N-OCTANO/WATER):	Not available.
AUTO-IGNITION TEMPERATURE:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
VISCOSITY:	> 20@ 40°C

OTHER INFORMATION:	DMSO extract by IP346: Less than 3.0 wt% (mineral oil component only)
DENSITY:	Not available.
EXPLOSIVE PROPERTIES:	Not explosive.
OXIDIZING PROPERTIES:	Not oxidizing.
SPECIFIC GRAVITY:	0.86 – 0.88

10. STABILITY AND REACTIVITY

REACTIVITY:	The product is stable and non-reactive under normal conditions of use, storage and transport.
CHEMICAL STABILITY:	Material is stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	No dangerous reaction known under conditions of normal use.
CONDITIONS TO AVOID:	Contact with incompatible materials.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

11. TOXICOLOGICAL INFORMATION

IMMEDIATE EFFECTS/DELAYED EFFECTS OF SHORT-TERM EXPOSURE/CHRONIC EXPOSURE

INFORMATION ON LIKELY ROUTES OF EXPOSURE

INHALATION:	Prolonged inhalation may be harmful.
SKIN CONTACT:	No adverse effects due to skin contact are expected.
EYE CONTACT:	Causes eye irritation.
INGESTION:	Expected to be a low ingestion hazard.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.
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INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:	Not available.
SKIN CORROSION/IRRITATION:	Prolonged skin contact may cause temporary irritation.
SERIOUS EYE DAMAGE/EYE IRRITATION:	Causes eye irritation.

RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY SENSITAZTION: Not a respiratory sensitizer.

SKIN SENSITIZATION: This product is not expected to cause skin sensitization.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Susbtances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.

SPECIFIC TARGET ORGAN Not classified.

TOXICITY – SINGLE EXPOSURE:

SPECIFIC TARGET ORGAN Not classified.

TOXICITY – REPEATED EXPOSURE:

ASPIRATION HAZARD: Not an aspiration hazard.

CHRONIC EFFECTS: Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

PERSISTENCE AND DEGRADIBILITY: No data is available on the degradability of this product.

BIOACCUMULATIVE POTENTIAL: No data available.

MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

LOCAL DISPOSAL REGULATIONS: Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES/UNUSED PRODUCTS: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT/TDG CLASSIFICATION: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG:

UN number: UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonylphenol polyethylene glycol ether), MARINE POLLUTANT.

Transport hazard class(es):

Class: 9

Subsidiary risk: -

Packing group: III

Environmental hazards:

Marine pollutant: Yes

Ems: F-A, S-F

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Not established.

Code:
IMDG



Marine pollutant



15. REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard – Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US – California Proposition 65 – CRT: Listed date/Carcinogenic substance

1,4-dioxane (CAS 123-91-1)

Listed: January 1, 1988

Oxirane (CAS 75-21-8)

Listed: July 1, 1987

US – California Proposition 65 – CRT: Listed date/Developmental toxin

Oxirane (CAS 75-21-8)

Listed: August 7, 2009

US – California Proposition 65 – CRT: Listed date/Female reproductive toxin

Oxirane (CAS 75-21-8) Listed: February 27, 1987
US – California Proposition 65 – CRT: Listed date/Male reproductive toxin
 Oxirane (CAS 75-21-8) Listed: August 7, 2009

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION/PREPERATION DATE

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OTHER SPECIAL CONSIDERATIONS: Not applicable.

NOTICE TO READER:

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